FIG. 1

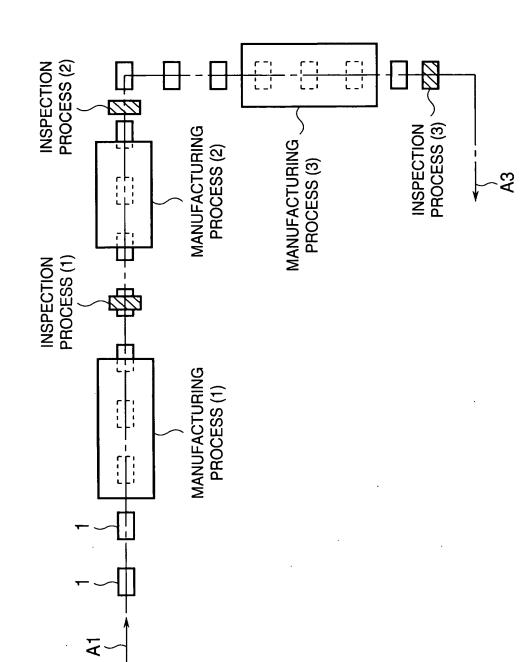
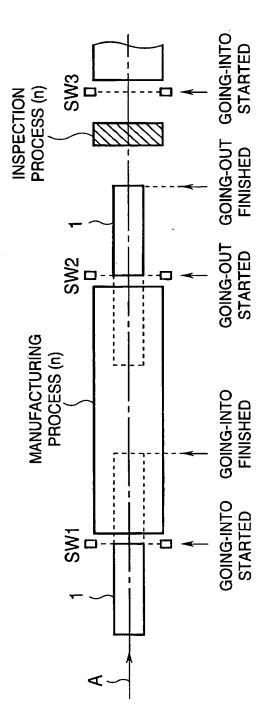
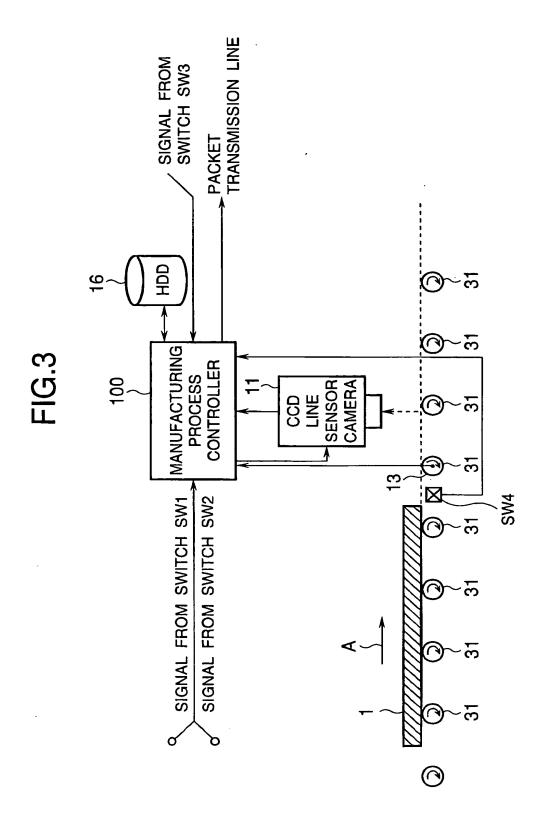
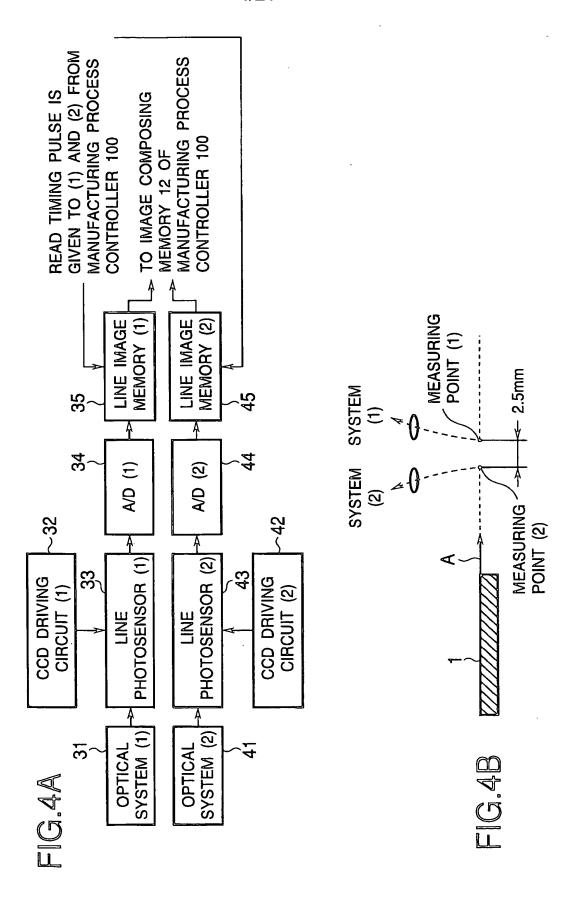


FIG.2

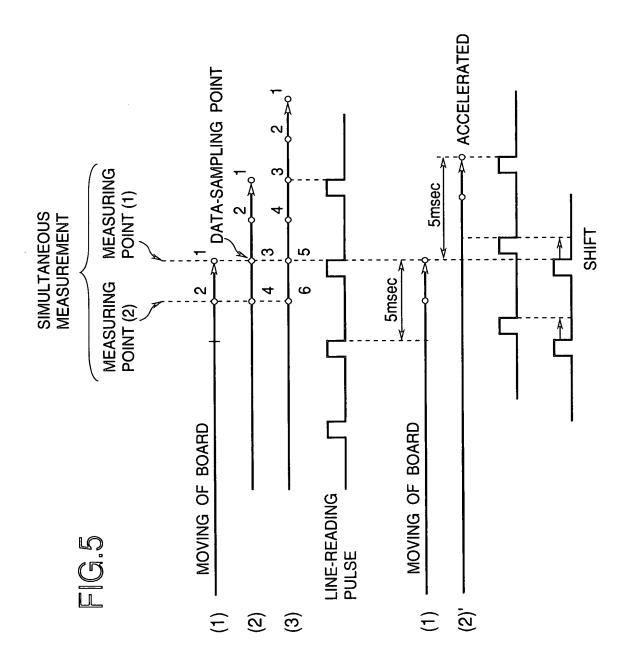




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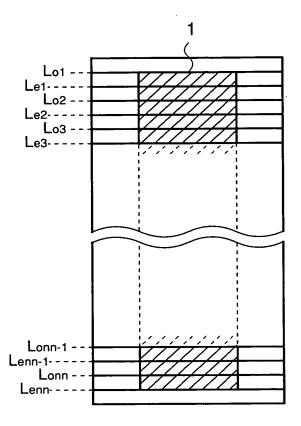


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FIG.6





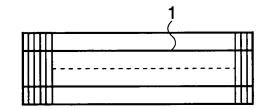


FIG.7B

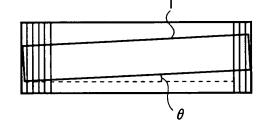


FIG.7C

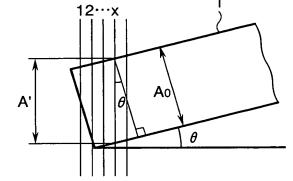


FIG.8A

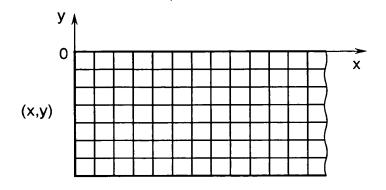
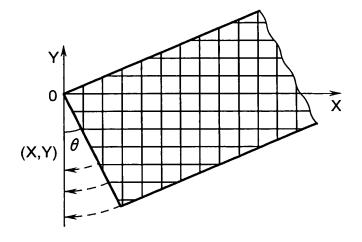
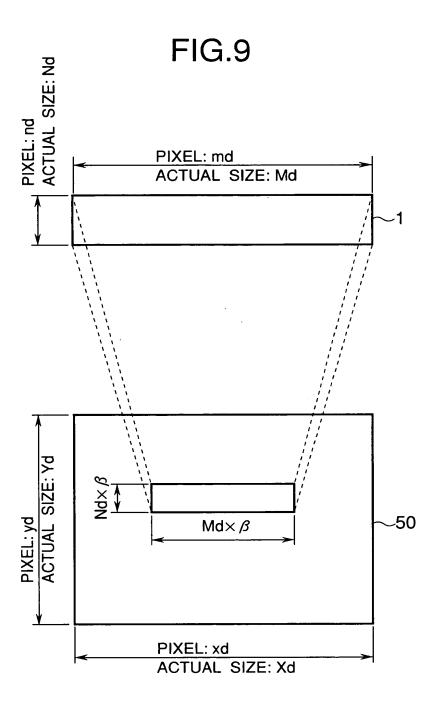
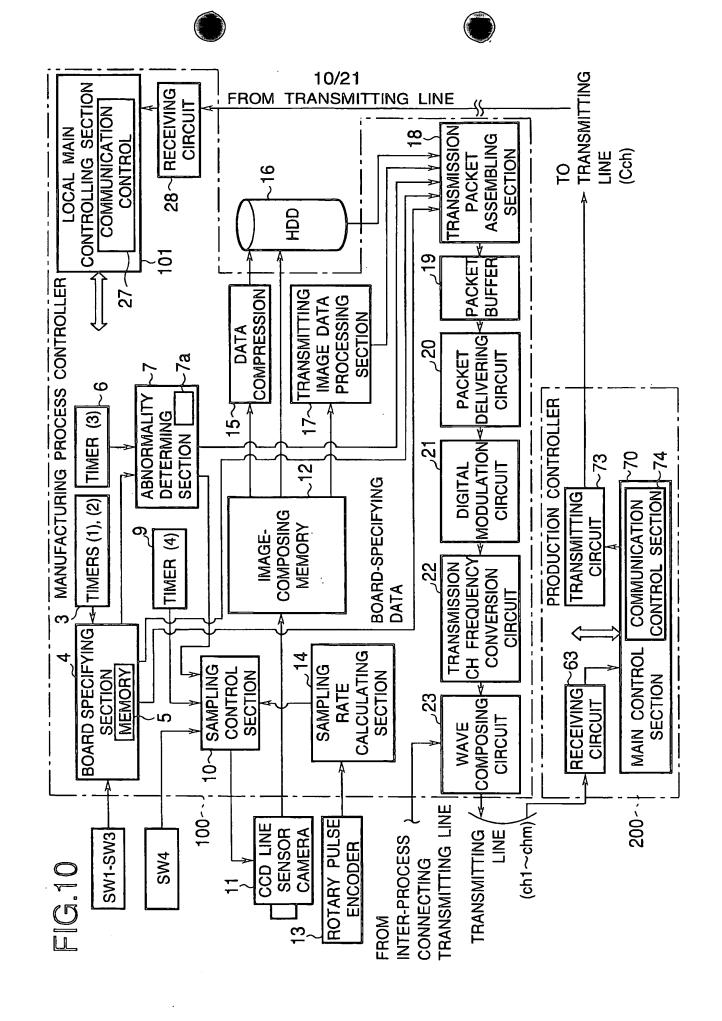


FIG.8B

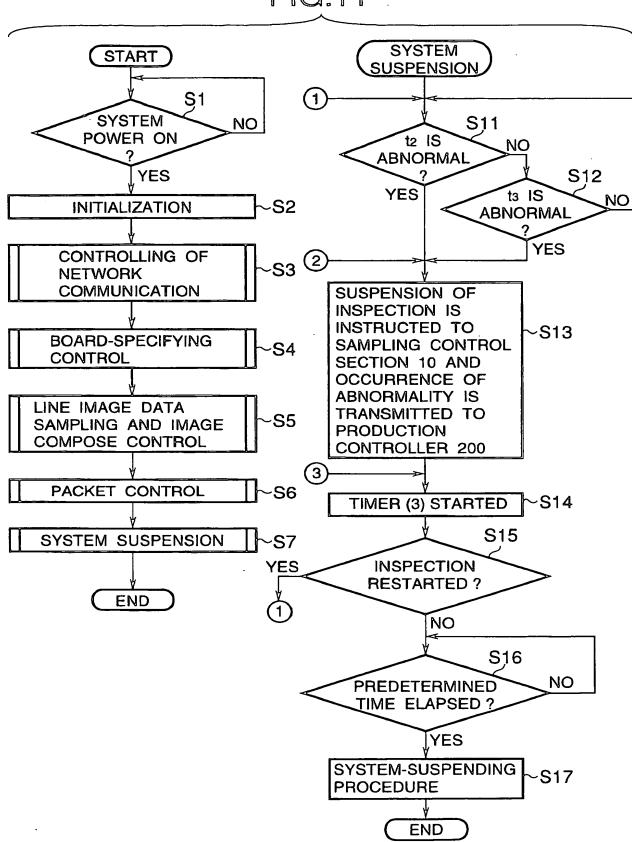




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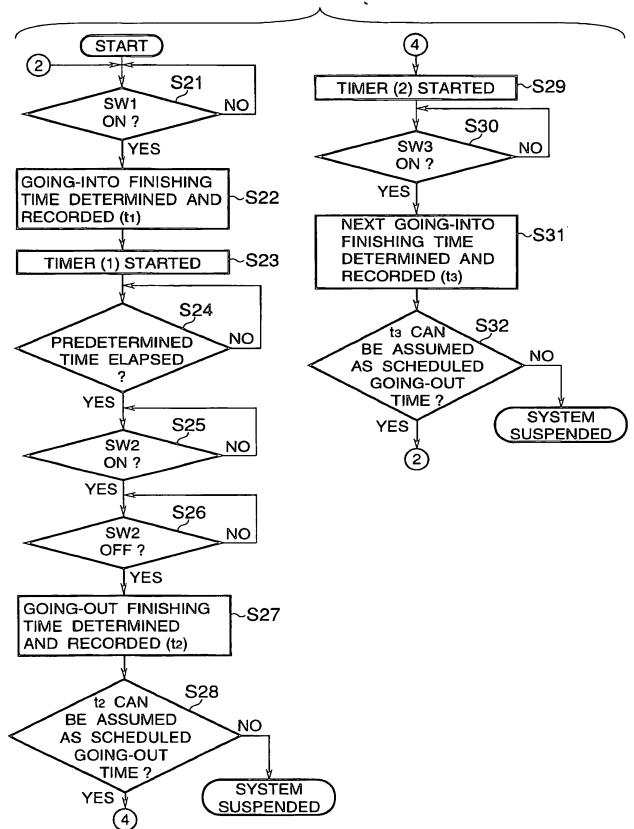


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FIG.12



13/21 FIG.13 (6)START **S41** WORKING INTO SW4 NO **TRANSMISSION** ~S52 ON? **IMAGE DATA S42** YES **S**53 TIMER (4) STARTED SW4 NO ON? VALUE OF ROTARY PULSE YES S43 **S54 ENCODER READ OUT** SUSPENSION NO OF INSPECTION CORRECTION OF SAMPLING **S44** INSTRUCTED RATE CALCULATED YES **S45** ANY CHANGE IN YES **OUTPUT OF ROTARY** PULSE ENCODER **S46** NO **ABNORMAL** NO VALUE? S47 YES NO PREDETERMINED TIME ELAPSED ? YES SAMPLING OF LINE IMAGE DATA WITH CORRECTED ·S48 SAMPLING RATE SAMPLED DATA RECORDED S49 IMAGE COMPOSE **S50** DATA COMPRESSION AND ~S51 **ACCUMULATION**

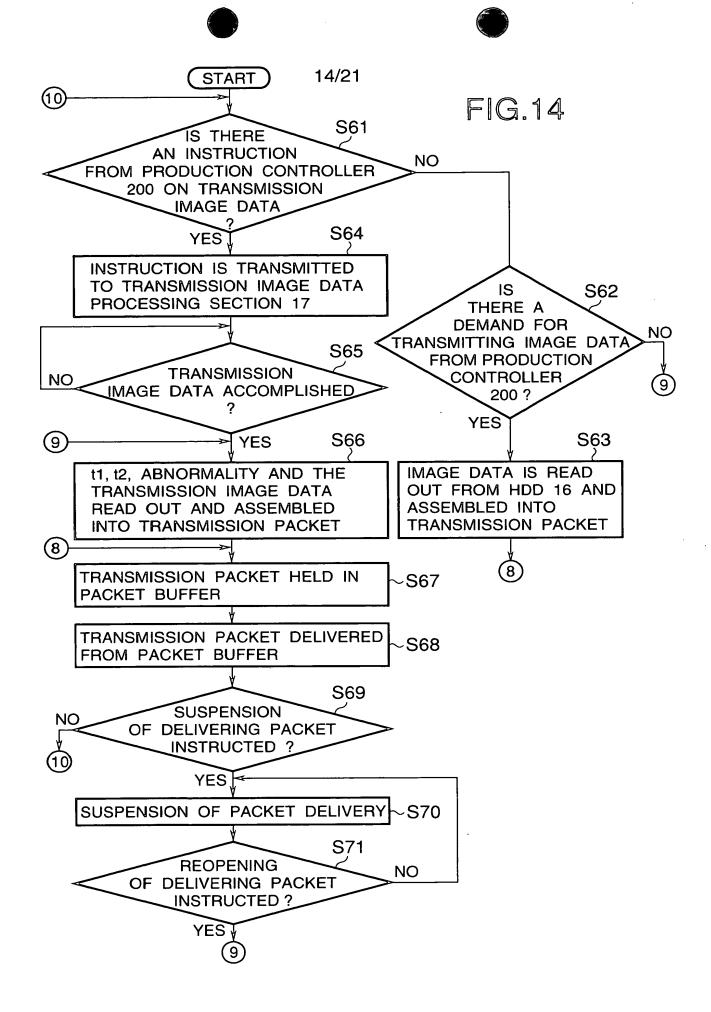
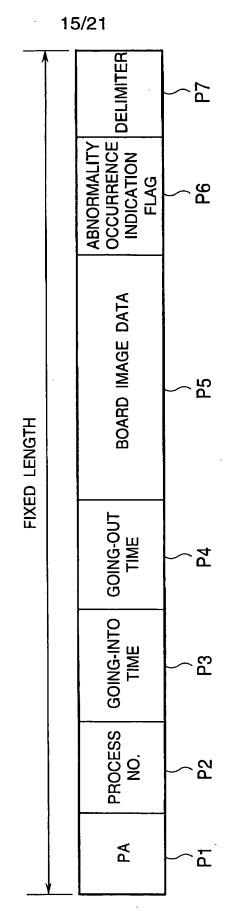
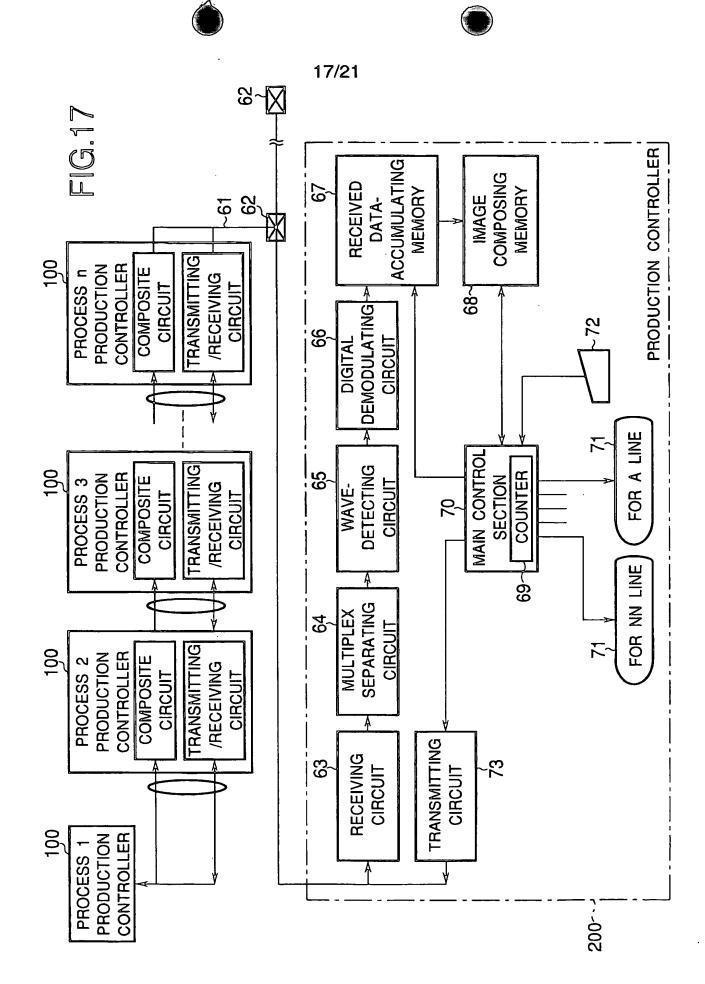


FIG.15



COMPOSITE WAVE FORM



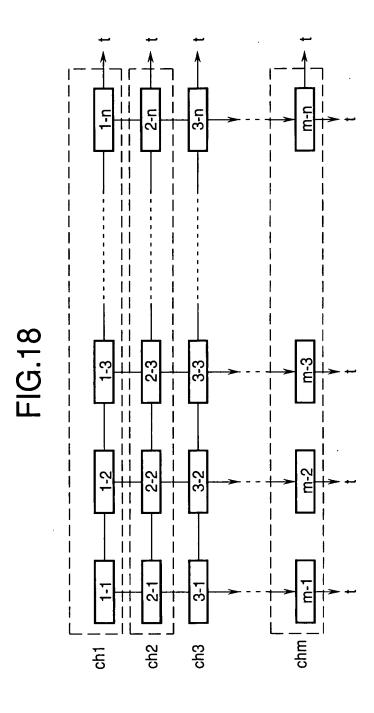
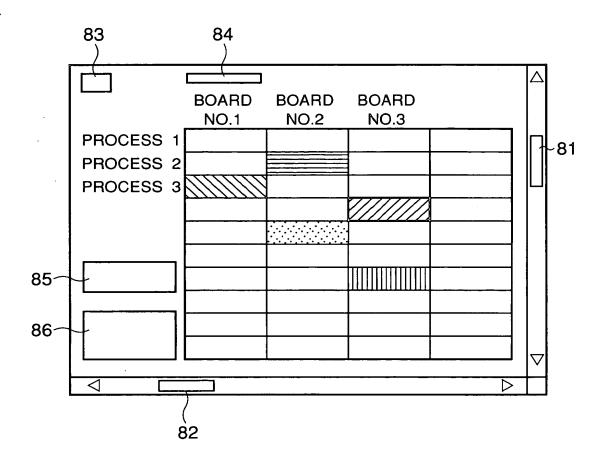
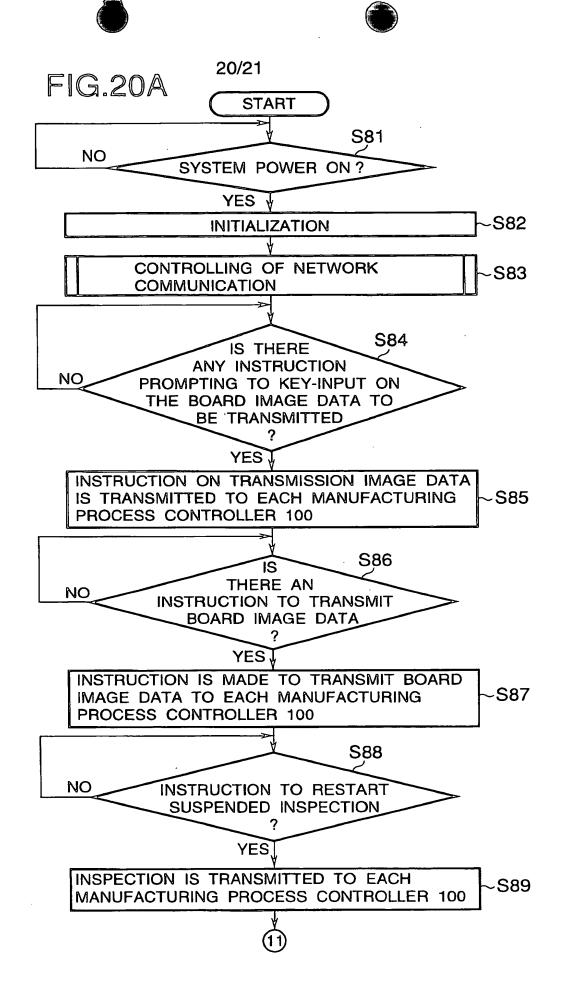


FIG.19



that that will have my terminal that the time that the thing of the time that that



21/21 FIG.20C FIG.20B S99 S90 NUMBER OF WORK TRANSMISSION[®] **BOARDS BEING** PACKET IS RECEIVED NO TREATED IS DISPLAYED FROM THE MANUFACTURING IN DISPLAY WINDOW 85 **PROCESS** CONTROLLER 100? S100 YES SYSTEM **S91** COUNTER i ← i+1 OPERATION SHOULD BE SUSPENDED TRANSMISSION PACKET IS STORED AS AN IMAGE FILE IN **S92** YES RECEIVED DATA-ACCUMULATING **S101** MEMORY 67 SUSPENSION OF SYSTEM READ OUT TO COMPOSE A **S93** DISPLAY IMAGE **END** DISPLAYED IN DISPLAY 71 **S94** S95 TRANSMISSION PACKET OF JPEG FILE NO IS RECEIVED FROM MANUFACTURING PROCESS CONTROLLER 100? YES, TRANSMISSION PACKET STORED AS JPEG FILE IN **S96** RECEIVED DATA-ACCUMULATING MEMORY 67 JPEG FILE IS READ OUT TO ~S97 SYNTHESIZE DISPLAY IMAGE DISPLAYED IN DISPLAY 71~S98